

## VecTest™ Figure 2

MALARIA Sporozoite Antigen Panel Assay

- Plasmodium falciparum
  - Plasmodium vivax 210
    - Plasmodium vivax 247

FOR INVESTIGATIONAL USE ONLY Store at room temperature

Medical Analysis Systems, Inc. Camarillo, CA 93012 524 Flynn Road NAVIX

INTERPRETATION OF RESULTS: POSITIVE FOR DIFFERENT PV 210 Negative Tube with 250 M Grinding Solution Microcentrifuge Test strip (13 drops) of KIT COMPONENTS Mosquito Grinder

The test should be interpreted positive only if at least two ines appear on he strip.

**ANALYTES:** 

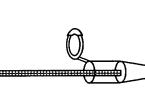
develops on the strip The test is negative when only one line (control line)

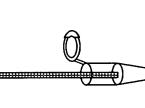
 Discard strip if no ine develops. The est results are not valid if control line does not develop.

142 √4 147 √4 14

742 V9

TUBE AS SHOWN IN THE FIGURE REMOVE THE GRINDER, PLACE THE DIPSTICK IN THE SAMPLE ► HOMOGENIZE SAMPLE





Place your test

strip in the box

PREPARE MOSQUITOES FOR TEST

Signal pattern:

Control

Pv 210⊐ Pv 247

**PROCEDURE**:

PLACE MOSQUITO PARTS (HEAD AND THORAX) INTO THE GÌVEN TUBES WITH 250 LL (13 DROPS) OF GRINDING SOLUTION

WAIT 15 MINUTES BEFORE READING

for comparison

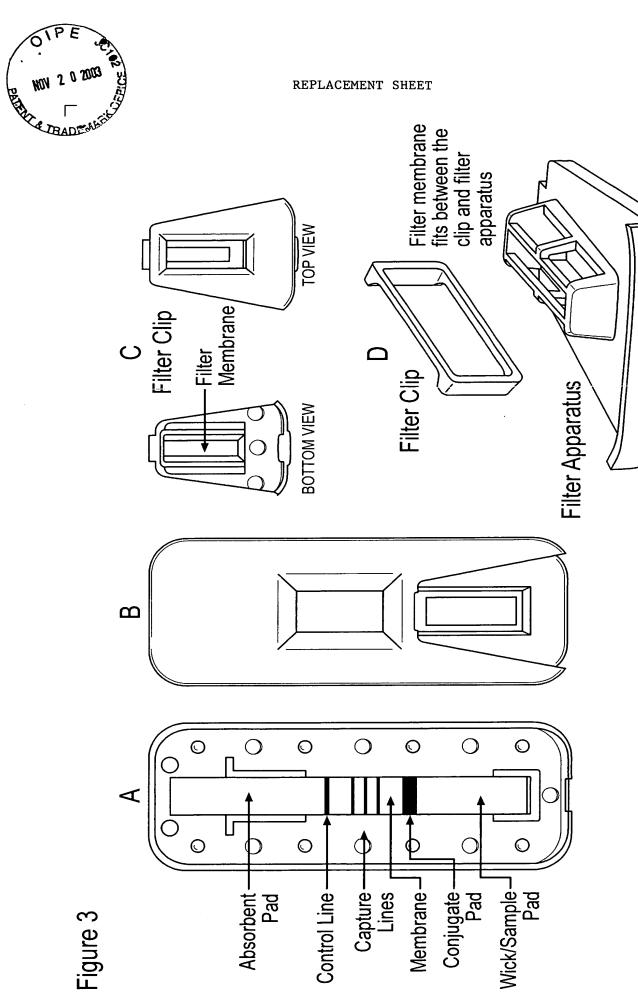
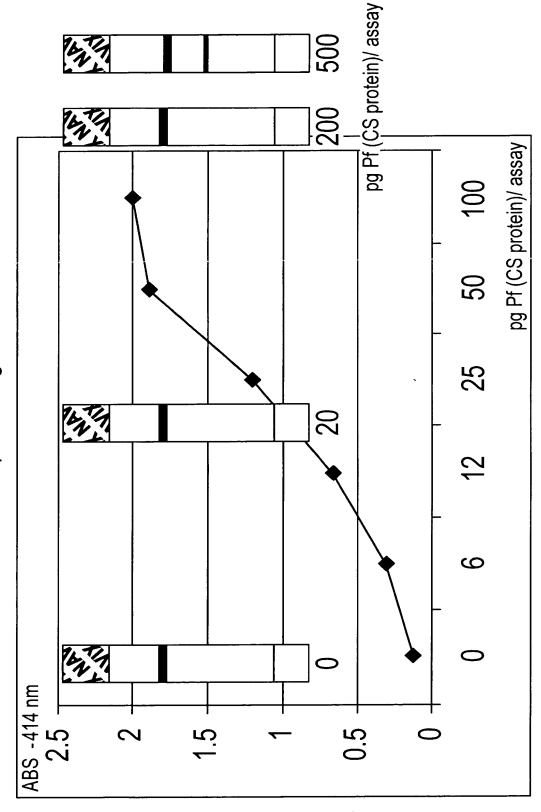


Figure 3

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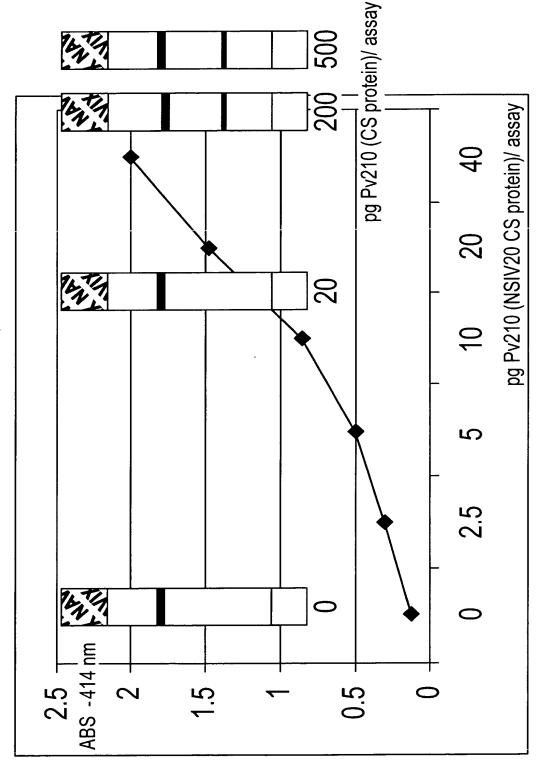


Plasmodium falciparum CS Protein Detection ELISA versus Dipstick: Figure 4



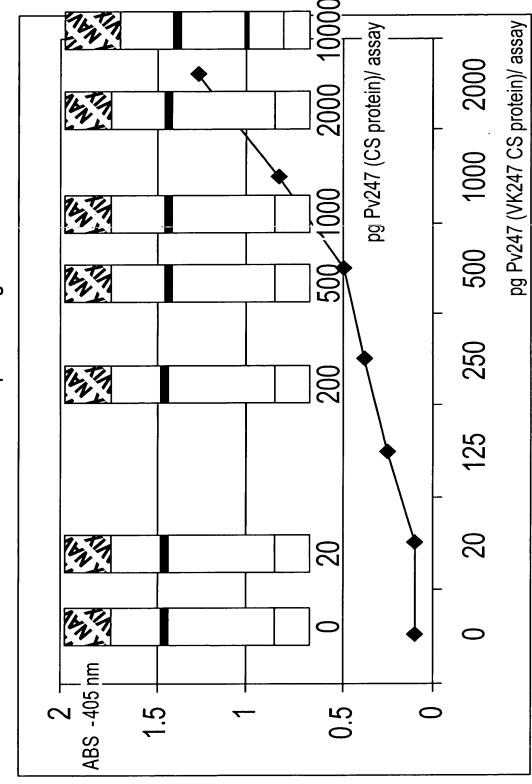


Plasmodium vivax 210 CS Protein Detection ELISA versus Dipstick: Figure 5





Plasmodium vivax 247 CS Protein Detection ELISA versus Dipstick: Figure 6





## Panel Dipstick Detection of *Plasmodium* Sporozoites in Infected Mosquitoes: Figure 7

Mosquito (MQ) extract:

Pf infected mosquitoes  1MQ, 1MQ, 2MQ, 3MQ, 5MQ  2MQ, 3MQ, 5MQ  1MQ, 1MQ, 2MQ, 3MQ, 5MQ  2MQ, 3MQ, 5MQ  1MQ, 1MQ, 2MQ, 3MQ, 5MQ  2MQ, 3MQ, 5MQ  2MQ, 3MQ, 5MQ  2MQ, 3MQ, 5MQ  2MQ, 1MQ, 1MQ, 1MQ, 5MQ  2MQ, 1MQ, 1MQ, 1MQ, 5MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1MQ, 1MQ, 1MQ, 1MQ  2MQ, 1MQ, 1M	Pv247 infected mosquitoes	1MO, 3MO, 5MO, 5MO, 5MO, 5MO, 5MO, 5MO, 5MO, 5	12.5 <12.5 50	17 sporozoi LISA result	
3MQ, 5MQ 5MQ 300 300 300 300 sult)	Pv210 infected mosquitoes	O, MARIA		တ္သ	
3MQ, 5MQ 5MQ 300 300 300 300 sult)			35	ozoite ssult)	
3MQ, 5MQ 3MQ, 5MQ 30 300 30 300 sult)		ZWO	400	0 spor LISA re	
3MQ, 5MQ 3MQ, 5MQ 30 300 30 300 sult)		M Q		Pv21 (El	
Pf infected mosquitoes  1MQ, 1MQ, 2MQ, 3MQ, 5MQ  MACKET STATE STATE  A00 300 >400 30 300  Pf sporozoites (ELISA result)  Sensitivity in ELSA:		M M M			
Pf infected mosquitoes 1MO, 1MO, 2MO, 3MO,  MAO 300 >400 30  Pf sporozoites (ELISA result)  Sensitivity in ELSA:		SMO			
Pf infected mosc 1MQ, 1MQ, 2MQ, 2MQ, 2MQ, 2MQ, 2400 300 >400 Pf sporozoil (ELISA resultivity in ELSA.	Pf infected mosquitoes	SW SW	30	res ult)	
Pf infection 1MQ, 1MQ, 1MQ, 1MQ, 200 300 >400 300 Pf s		ZMQ,		sporozoit ISA resu	ELSA:
Sensitiv		M M M	30	更	/ITY IN I
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~50 Pv247 sporozoites

~25-50 Pv210 sporozoites

~25-50 Pf sporozoites